





PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference YG2002-52PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No. PCT/JP2003/002604	International filing date (day/month/year) 05 March 2003 (05.03.2003)	Priority date (day/month/year) 05 March 2002 (05.03.2002)				
International Patent Classification (IPC) or no C23C 28/02						
Applicant JAPAN SC	IENCE AND TECHNOLOGY COR	PORATION				
and is transmitted to the applicant ac		-				
2. This REPORT consists of a total of sheets, including this cover sheet.						
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a total of sheets.						
3. This report contains indications relating to the following items:						
I Basis of the report						
II Priority						
III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
IV Lack of unity of invention						
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
VI Certain documents cited						
VII Certain defects in the international application						
VIII Certain observations on the international application						
Date of submission of the demand	Date of completion	n of this report				
09 September 2003 (09.	09.2003) 23	January 2004 (23.01.2004)				
Name and mailing address of the IPEA/JP	Authorized officer					
Facsimile No.	Telephone No.					



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I.)	Basis (s of the report	
1.	With	regard to the elements of the international application:*	
	\boxtimes	the international application as originally filed	
		the description:	
		pages	, as originally filed
		pages	
		pages	, filed with the letter of
	П	the claims:	
		pages	, as originally filed
		pages	, as amended (together with any statement under Article 19
		pages	, filed with the demand
		pages	, filed with the letter of
	П	the drawings:	
		pages	, as originally filed
		pages	6°1 1 141 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			, filed with the letter of
		the sequence listing part of the description:	
		-	as originally filed
			, as originally filed , filed with the demand
			, filed with the letter of
	the in These	international application was filed, unless otherwise indicates see elements were available or furnished to this Authority in the language of a translation furnished for the purposes of the language of publication of the international application the language of the translation furnished for the purpose or 55.3).	he following language which is: international search (under Rule 23.1(b)). In (under Rule 48.3(b)). The search (under Rule 23.1(b)) and (under Rule 55.2 and (under Rule 55.2)).
3.	With prelin	liminary examination was carried out on the basis of the sequ	nce disclosed in the international application, the international ence listing:
	\square	contained in the international application in written form.	
	\blacksquare	filed together with the international application in comput	ter readable form.
		furnished subsequently to this Authority in written form.	
	Ц	furnished subsequently to this Authority in computer read	
		The statement that the subsequently furnished writte international application as filed has been furnished.	n sequence listing does not go beyond the disclosure in the
		The statement that the information recorded in compu been furnished.	ter readable form is identical to the written sequence listing has
4.		The amendments have resulted in the cancellation of:	
		the description, pages	
		the claims, Nos.	
		the drawings, sheets/fig	
5.			dments had not been made, since they have been considered to go nental Box (Rule 70.2(c)).**
*	in th	placement sheets which have been furnished to the receiving this report as "originally filed" and are not annexed to 170.17).	Office in response to an invitation under Article 14 are referred to this report since they do not contain amendments (Rule 70.16
١.,		replacement sheet containing such amendments must he ref	erred to under item I and annexed to this report.

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Internation pplication No.
PCT/JP03/02604

tement			
Novelty (N)	Claims	1-6	YE
	Claims		NO
Inventive step (IS)	Claims	1-6	YE
	Claims		NC
Industrial applicability (IA)	Claims	1-6	YE
	Claims		NC

2. Citations and explanations

The documents cited in the ISR neither describe nor suggest a heat-resistant Ni-alloy material, an Ni-alloy base material, which is subjected to Al diffusion treatment and formed with, on the surface thereof, a surface layer of a bi-layer structure having an inner layer comprising an α Cr phase and an outer layer comprising a β phase (Ni-Al-Cr) and γ phase (Ni₃Al(Cr)), the outer layer having an Al concentration of 20 atomic % or more, and such a material does not appear to be obvious to a person skilled in the art, either.